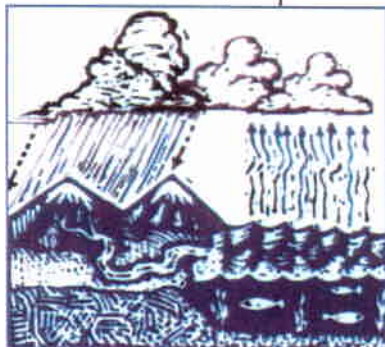


The Storm Water Pollution Prevention Bulletin is prepared by the Storm Water Compliance Review Task Force to aid all projects and operations in maintaining compliance with the National Pollutant Discharge Elimination System (NPDES) permit requirements.

## Storm Water Discharges...



## Construction Site Soil Stabilization & Sediment Controls



As the fall and winter seasons approach, it is important to review the Best Management Practices (BMPs) associated with **erosion and sediment controls**. Such controls prevent sediment discharges into drainage systems and waterways. This is particularly important as noxious pollutants often adhere to the sediment. Erosion and sediment control practices can be classified into two categories: (i) *Soil Stabilization Practices*, or (ii) *Sediment Control Practices*.

### SOIL STABILIZATION PRACTICES

Soil Stabilization Practices are designed to reduce, at the source, the potential for disturbed soil to be eroded by storm runoff. Soil

stabilization BMPs provide the first line of defense in preventing off-site sediment movement and are designed to prevent erosion through protection and preservation of soils. BMPs used for Soil Stabilization include:

- ✓ Preservation of Existing Vegetation (CD23)
- ✓ Temporary Seeding and Planting (CD24B)
- ✓ Mulching (CD25)
- ✓ Soil Stabilizers (CD26A)
- ✓ Geotextiles, Mats/Plastic Covers and Erosion Control Blankets (CD 26B)



- ✓ Sodding, Grass Plugging & Vegetative Buffer Strips (CD30)

The contractor shall implement one or more of the minimum required soil stabilization BMPs on all disturbed soil areas of the project site during the winter season.

### SEDIMENT CONTROL PRACTICES

Sediment Control Practices are designed to reduce the sediment in runoff before the runoff is discharged from the site. Sediment Control BMPs include:

- ✓ Silt Fences (CD36)
- ✓ Straw Bale Barriers (CD37)
- ✓ Sandbag Barrier (CD38)
- ✓ Check Dams (CD34)
- ✓ Sediment Traps (CD41)
- ✓ Sediment Basins (CD42)
- ✓ Storm Drain Inlet Protection (CD40)

During the winter season, the contractor shall implement one or more of the minimum required sediment control BMPs on all significant erodible slopes.

### SUMMARY

Both erosion control methods prevent discharge of sediment downstream of the project site. Specific attention should be given to ensure the contractor will meet the minimum requirements as stated in the "Construction Contractors' Guide and Specifications." Keep in mind that all BMPs require periodic maintenance to function correctly.



**REMINDER:** Annual certification that construction operations are in compliance with NPDES Permits are due by July 1 of each year and should now be on file for 1997. See the Caltrans Storm Water Quality Construction Staff Guide, Section 3.4.2 and Appendix B for instructions and details.

Additional information is available in the Caltrans Storm Water Quality Handbooks. Questions or comments may be directed to:

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